

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: Pxxxxxx

Luminaire Tested: **203-SS-8LED2710-12-BK**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: Pxxxxxx
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (Pxxxxxx)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 203-SS-8LED2710-12-BK
Description: CAMBRIA 203 LED LUMINAIRE, 8 WATT, 2700K CCT, 10 DEGREE SPOT OPTIC,
REGRESSED HOOD BLACK
Light Source: (1) SORAA 2700K 95 CRI 10°NSP LED
SM16-07-10D-927-03
Ballast/Driver: CHROMA POWER SUPPLY IN0004

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 272.5 lumens
Efficiency: N/A
Efficacy: 34.1 lumens/watt
Spacing Criteria (0/90/45): 0.21 / 0.21 / 0.19
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

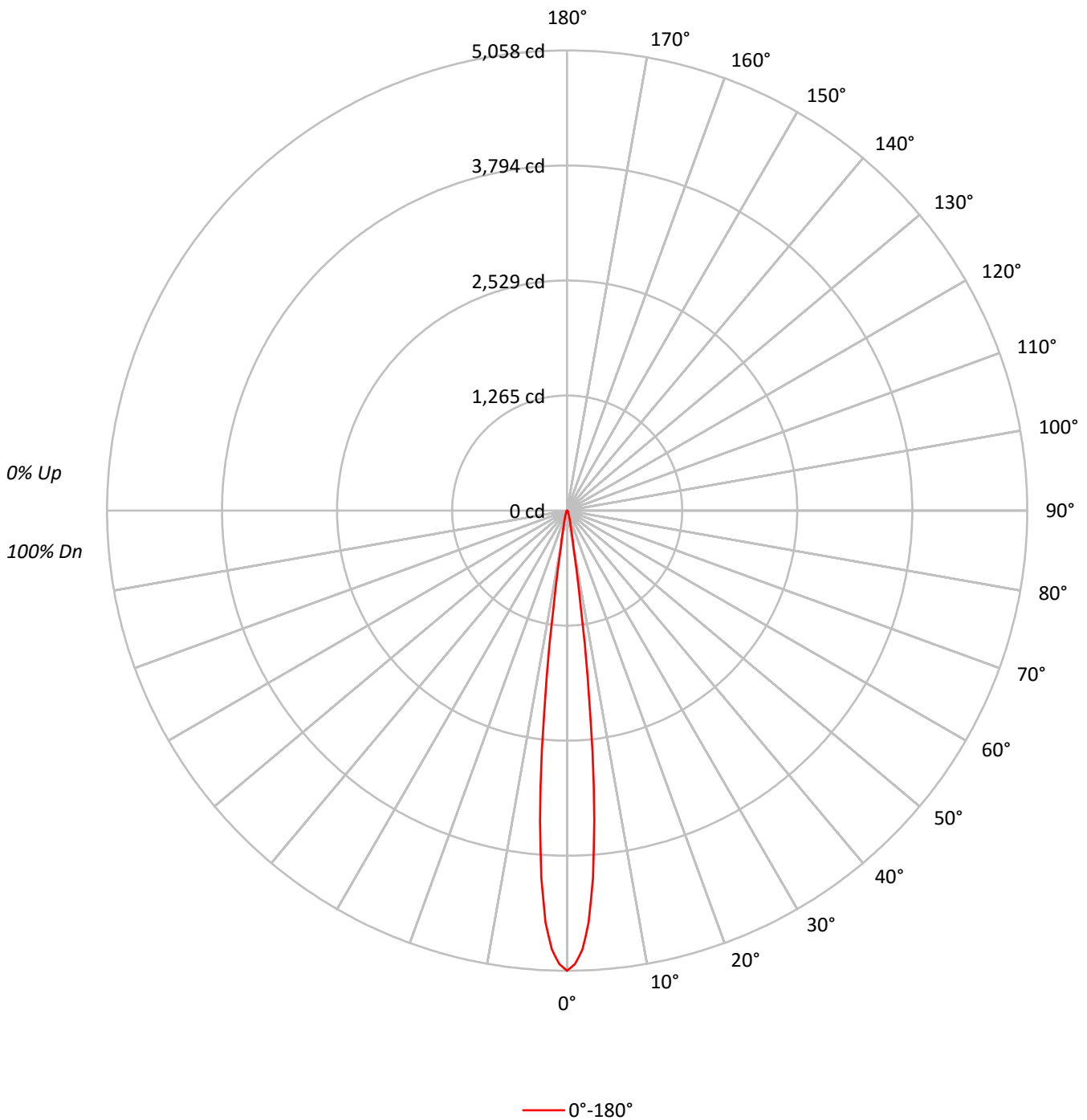
Input Watts (W): 8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: Pxxxxxx

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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | | | |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | | | |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | |
| 1 | 116 | 114 | 113 | 111 | 114 | 112 | 111 | 109 | 108 | 107 | 106 | 105 | 104 | 103 | 101 | 101 | 100 | 98 | | |
| 2 | 113 | 110 | 108 | 106 | 111 | 109 | 106 | 105 | 106 | 104 | 102 | 103 | 101 | 100 | 100 | 99 | 98 | 97 | | |
| 3 | 111 | 107 | 104 | 102 | 109 | 106 | 103 | 101 | 103 | 101 | 99 | 101 | 99 | 98 | 99 | 98 | 97 | 95 | | |
| 4 | 108 | 104 | 101 | 99 | 107 | 103 | 100 | 98 | 101 | 99 | 97 | 100 | 98 | 96 | 98 | 96 | 95 | 94 | | |
| 5 | 106 | 102 | 99 | 96 | 105 | 101 | 98 | 96 | 100 | 97 | 95 | 98 | 96 | 95 | 97 | 95 | 94 | 93 | | |
| 6 | 105 | 100 | 97 | 95 | 104 | 99 | 96 | 94 | 98 | 96 | 94 | 97 | 95 | 93 | 96 | 94 | 93 | 92 | | |
| 7 | 103 | 98 | 95 | 93 | 102 | 98 | 95 | 93 | 97 | 94 | 92 | 96 | 94 | 92 | 95 | 93 | 92 | 91 | | |
| 8 | 101 | 97 | 94 | 92 | 101 | 96 | 94 | 92 | 96 | 93 | 91 | 95 | 93 | 91 | 94 | 92 | 91 | 90 | | |
| 9 | 100 | 95 | 93 | 91 | 99 | 95 | 92 | 90 | 94 | 92 | 90 | 94 | 92 | 90 | 93 | 91 | 90 | 89 | | |
| 10 | 99 | 94 | 91 | 90 | 98 | 94 | 91 | 90 | 93 | 91 | 89 | 93 | 91 | 89 | 92 | 90 | 89 | 88 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° |
|-----|---------|
| 0° | 2495662 |
| 5° | 1694546 |
| 10° | 194835 |
| 15° | 57821 |
| 20° | 25885 |
| 25° | 13392 |
| 30° | 9343 |
| 35° | 7710 |
| 40° | 6441 |
| 45° | 4466 |
| 50° | 3531 |
| 55° | 2322 |
| 60° | 888 |
| 65° | 0 |
| 70° | 0 |
| 75° | 0 |
| 80° | 0 |
| 85° | 0 |



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 206.5 | 75.8 |
| 10°-20° | 38.1 | 14.0 |
| 20°-30° | 12.3 | 4.5 |
| 30°-40° | 7.9 | 2.9 |
| 40°-50° | 5.2 | 1.9 |
| 50°-60° | 2.2 | 0.8 |
| 60°-70° | 0.3 | 0.1 |
| 70°-80° | 0.0 | 0.0 |
| 80°-90° | 0.0 | 0.0 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 256.8 | 94.2 |
| 0°-40° | 264.7 | 97.1 |
| 0°-60° | 272.2 | 99.9 |
| 0°-90° | 272.5 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 272.5 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | Flux |
|-----|------|------|
| 0° | 5058 | |
| 5° | 3422 | 206 |
| 15° | 113 | 38 |
| 25° | 25 | 12 |
| 35° | 13 | 8 |
| 45° | 6 | 5 |
| 55° | 3 | 2 |
| 65° | 0 | 0 |
| 75° | 0 | 0 |
| 85° | 0 | 0 |
| 90° | 0 | |



TEST NUMBER: Pxxxxxx

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CANDELA DISTRIBUTION (FULL):

| 0° | |
|-------|--------|
| 0° | 5058.3 |
| 1° | 4986.2 |
| 2° | 4825.5 |
| 3° | 4531.6 |
| 4° | 4051.4 |
| 5° | 3421.5 |
| 6° | 2651.9 |
| 7° | 1835.8 |
| 8° | 1111.9 |
| 9° | 636.3 |
| 10° | 388.9 |
| 12.5° | 184.4 |
| 15° | 113.2 |
| 17.5° | 79.4 |
| 20° | 49.3 |
| 22.5° | 32.0 |
| 25° | 24.6 |
| 27.5° | 20.1 |
| 30° | 16.4 |
| 32.5° | 13.7 |
| 35° | 12.8 |
| 37.5° | 11.0 |
| 40° | 10.0 |
| 42.5° | 8.2 |
| 45° | 6.4 |
| 47.5° | 5.5 |
| 50° | 4.6 |
| 52.5° | 2.7 |
| 55° | 2.7 |
| 57.5° | 1.8 |
| 60° | 0.9 |
| 62.5° | 0.9 |
| 65° | 0.0 |
| 67.5° | 0.0 |
| 70° | 0.0 |
| 72.5° | 0.0 |
| 75° | 0.0 |
| 77.5° | 0.0 |
| 80° | 0.0 |
| 82.5° | 0.0 |
| 85° | 0.0 |
| 87.5° | 0.0 |
| 90° | 0.0 |

(END OF REPORT)